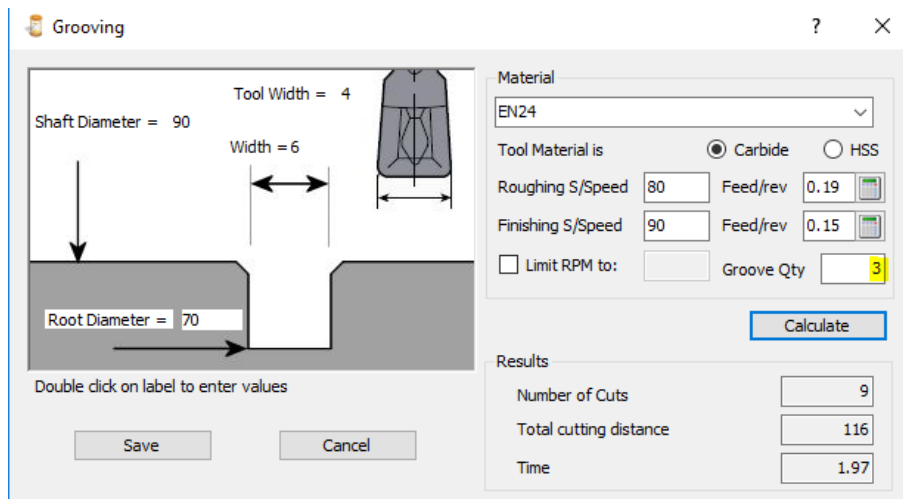# What's New

New Quantity option in Grooving

In response to a number of customer requests we have now added the option to specify the number of grooves in the Turning Simulator
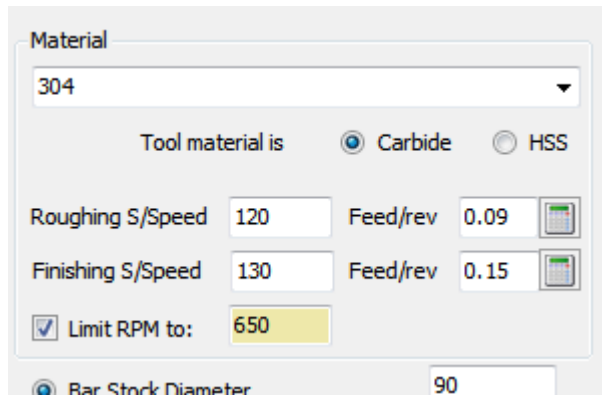

New Part Copy command

In addition to the existing "Copy Part" Feature we have now added the ability to copy a part and paste it into either a new quote or an already existing one. This is really useful if you often quote the same part from a client over and over again.
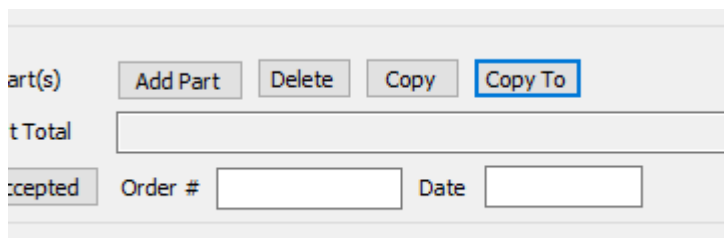
QuoteCam updated to SQL 2015 and the latest version of Windows.

QuoteCam has now been updated to the latest versions of SQL and Microsoft Windows. The installation routines and the application have been tested on Windows 8 and Windows 10. Also the merge capabilities with MS Word have been updated.
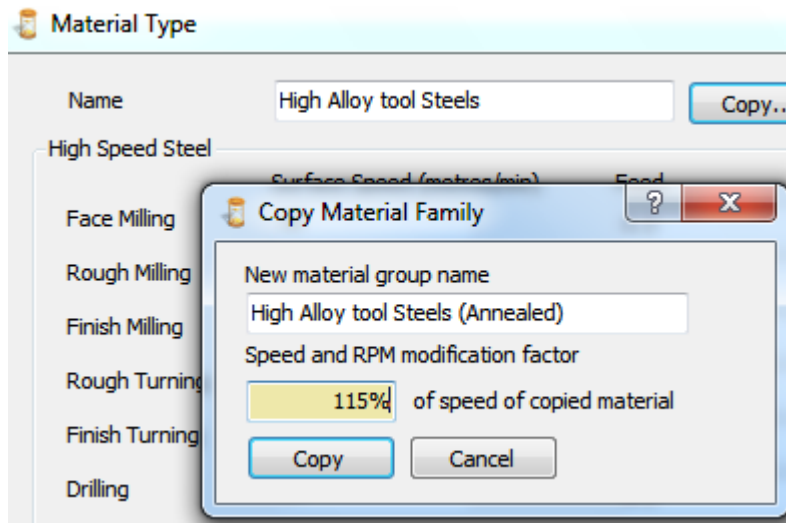
Added the ability to limit RPM in all turning operations

In some cases it's impossible to allow the machine to reach its programmed RPM due to work holding or other limitations. In this case we can tell the system to work at the specified maximum RPM
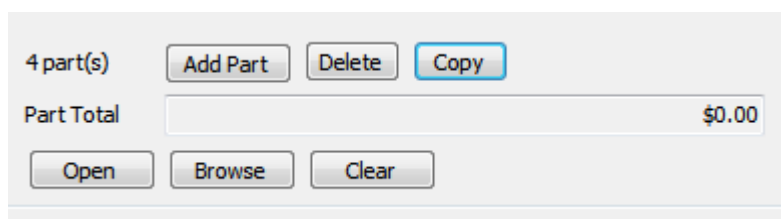
New "Clone" feature for material groups

When you need to create a completely new material group we have added the ability to automatically derive a new group by adjusting all the existing cutting data from an existing one by a given factor.
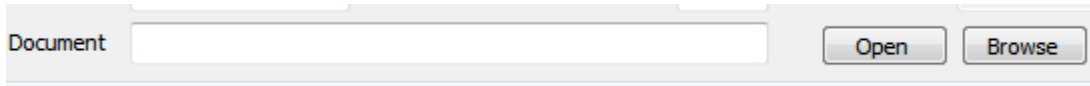
New "Copy Part" feature

When quoting multiple parts in a single quote, if 2 parts happen to be similar you may now copy the currently active part to a new number and simply make the corrections.
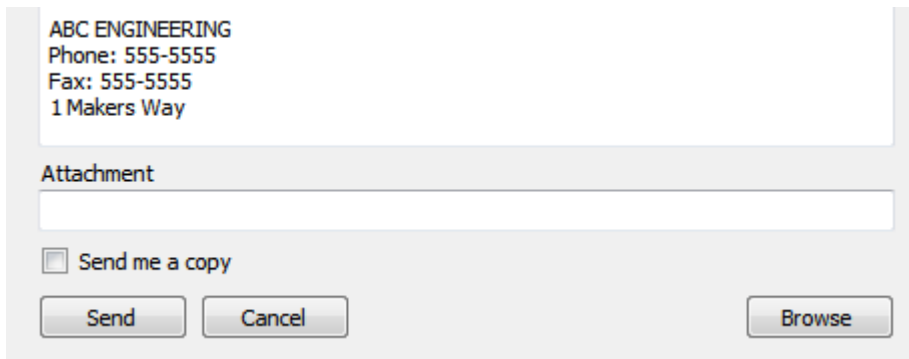
Quote Document storage

You may now store any documentation relevant to the quote (PDF, DRG's etc.) with the quote.

E-Quote attachments

E-Quotes can now be sent with attachments (Drg's etc) for clarification with suppliers.
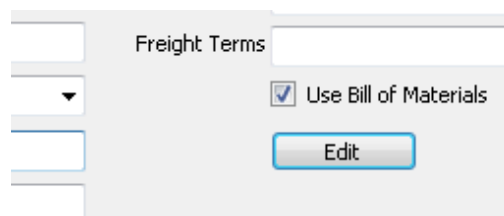
Bill of Materials (BOM)

Also in this version another major enhancement is a multi level Bill of Materials (BOM) In a case where a manufacturer is quoting for a complete assembled product consisting of a number of individual parts (some manufactured and some purchased) which have been assembled to form the finished item, a pump or plastic injection mould for example, he may want to list all the parts involved into the "BOM".

Basically a Bill of Materials is just a list of components needed to complete the assembly, therefore the BOM is applicable to the whole quote not any individual part. The BOM has 2 separate sections...

a) a database of parts or components (that can be purchased from component suppliers) to pick from, and b) a list of items that have been selected and totaled (the BOM). This second list can include parts we manufacture as well, however manufactured parts are excluded when it comes to calculating the margin to be made from selling on the contents of the BOM. The BOM is not involved in the analyser.

The BOM is activated from the main quote form

QuoteCam offers the user a range of empty BOM templates, plus the ability to create and store your own templates.
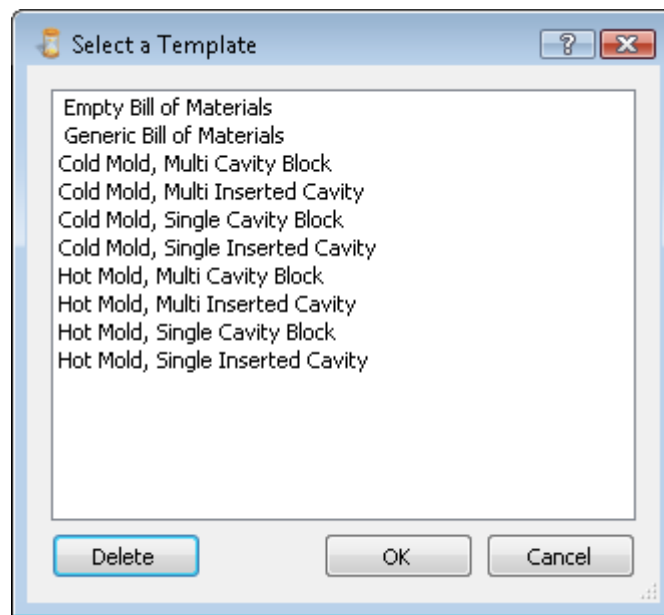
The empty BOM is then populated from the huge library of standard parts that ships with QuoteCam
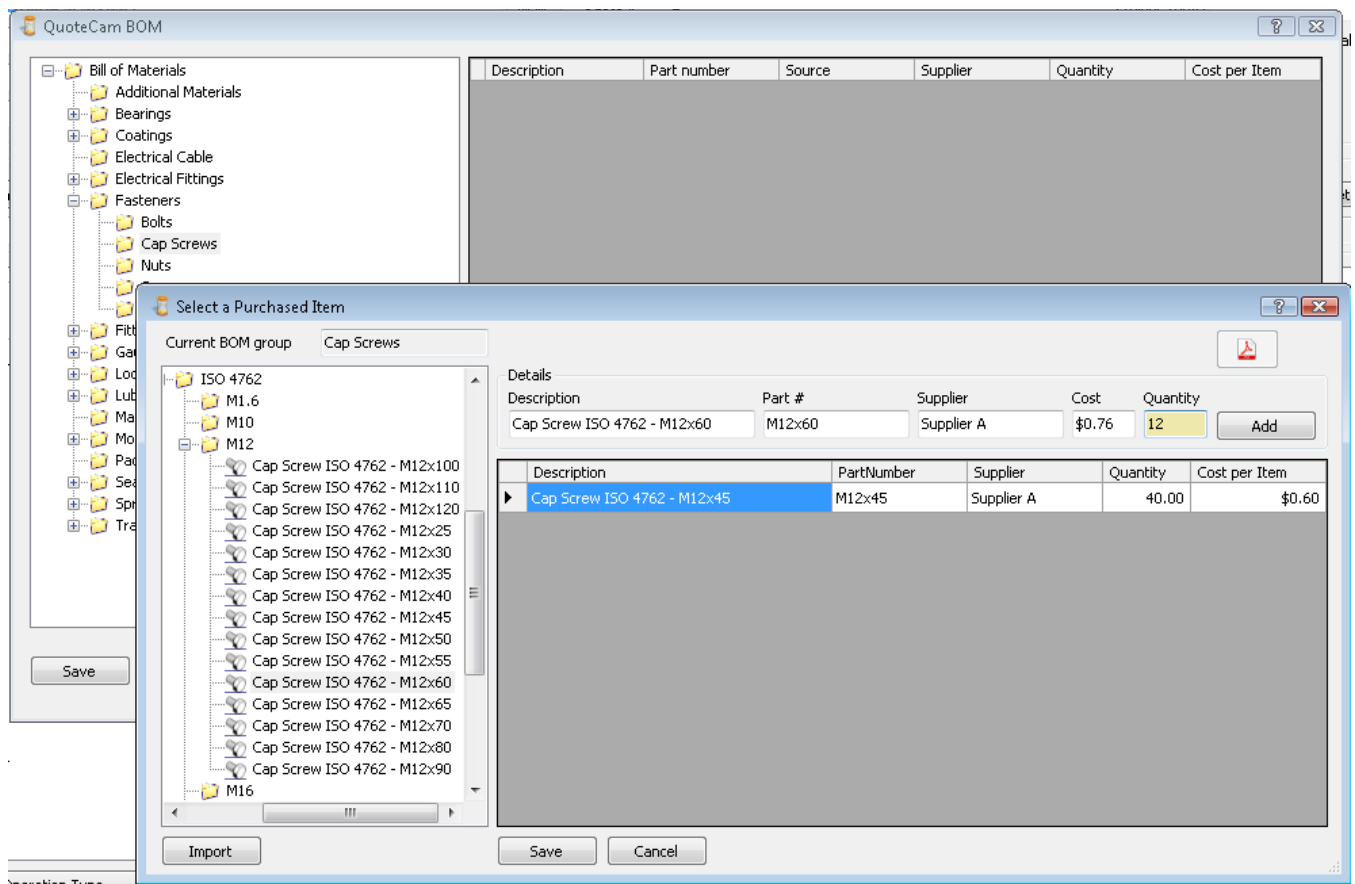
Job Cards

After many requests, this version see's the introduction of printed job cards. The job cards menu can be found in "reports" and each operation has a separate table where the details are printed including any notes that were added and the estimated times converted to Hours & Minutes.

As can be seen from the image below, 2 new fields have been added onto the main quote form for the customer's order number and the users own internal order number. On each operation there is a space for the operator to record the actual times taken for setting and running and for their name or initials.

A full routing is also listed at the beginning of the report for easy tracking and movement around the workshop

Job Card		Best Customer Engineering		6/05/2009

Description	Seal Plate	Quantity		20
Drawing	9954	Quote Date		13/06/2008
Quote	2	Delivery Date		30/06/2008
Customer	Best Customer Engineering			
Cust. Ref#	998	Our Order	77312	

Material		Shape		Size
St 37-2		Round		160.5 len x 88 dia

Routing

Workcentre	Setting (hr:min)	Run/Handling (hr:min)	Total time (hr:min)
TopSolid 3D Cam/Cam system (1)	0:45	0:00	0:45
Rambaudi (00554)	0:25	2:20	2:45
Victor M10 (344)	0:45	6:00	6:45
Inspector (0112)	0:45	0:00	0:45
Victor M10 (344)	0:45	2:20	3:05
Victor M10 (344)	0:30	10:00	10:30
Rambaudi (00554)	0:00	0:00	0:00
CNC Lathe 2 (002)	0:00	1:46	1:46
Totals	3:55	22:26	26:21

Operations

1	Workcentre	TopSolid 3D Cam/Cam system (1)
	Operation	Prepare CNC Program
	Notes	

	Estimated	Actual	Name
Set up time (mins)	45		
Handling time (mins)	0		
Run time (mins)	0		

Notes field added to all operations

Detailed notes can now be entered on any operation by simply typing into the new notes field. These notes will be printed onto the job card for each operation.

New material shape

Hexagonal bar (AF) has been added to the raw material shapes

Stored material sizes

You may now save material dimensions for fast re-use by simply clicking on the new "Save Dimensions" button. This will add the stock sizes into the material selection tree.

Actual (Variance) report

We are now able to enter the actual time taken for operations and the actual cost of purchases and services once the part has been completed.

#	Description	Work Centre	Set (est.)	Set (actual)	Run (est.)	Run (actual)	Cost (est.)	Cost (actual)
	St 37-2		0.00	0.00	0.00	0.00	$896.57	$950.00
1	Prepare CNC Program	TopSolid 3D Cam/Cam system	45.00	45.00	0.00	0.00	$33.75	$0.00
2	Block down +1mm all over	Rambaudi	25.00	30.00	105.00	99.00	$75.83	$0.00
3	Rough mill to Program	Victor M10	45.00	60.00	270.00	240.00	$236.25	$0.00
4	First Off inspection	Inspector	45.00	45.00	0.00	0.00	$27.00	$0.00
5	Finish mill to program	Victor M10	45.00	0.00	105.00	0.00	$112.50	$0.00
6	Mill threads	Victor M10	37.50	0.00	562.50	0.00	$450.00	$0.00
	New ring gauge		0.00	0.00	0.00	0.00	$130.00	$0.00
7	Block down +1mm all over	Rambaudi	0.00	0.00	0.00	0.00	$0.00	$0.00
8	Rough & finish bores only	CNC Lathe 2	0.00	0.00	86.30	0.00	$77.67	$0.00
9	Face top	Victor M10	72.00	0.00	69.30	0.00	$132.21	$0.00
10	counterbore	Radial Arm Drill	20.00	0.00	195.45	0.00	$75.41	$0.00
11	Mill threads	Victor M10	0.00	0.00	98.25	0.00	$110.88	$0.00
12	Face top	Victor M10	0.00	0.00	398.97	0.00	$450.24	$0.00
13	Finish mill to program	Victor M10	0.00	0.00	0.00	0.00	$0.00	$0.00
14	Finish Grind	Snow Grinder	60.00	0.00	900.00	0.00	$416.00	$0.00

Preview Report   Save & Close   Cancel

Simply enter the times and costs into this new form and QuoteCam will print a variance report detailing in percentages and costs the real differences between the estimates and the true values. Using this information you can then begin to fine tune the efficiency factor for the workstations

Material Cost Date added

Whenever the cost of materials is updated the system now records and displays the date. The user can then instantly see how old the price is.

Freight Costs

A new field has been added next to the freight terms selection to allow for a delivery cost to be specified. This is now added to the total costs reflected in the Quote and Invoice templates.

Shipping desc.	Via "Tommy Trucks Pty"
Freight Terms	30 days
Freight cost	$65.00

Supplier selection

You may now specify the preferred supplier for material, sub contract services or any form of purchases, directly on the relevant form. The suppliers name will appear on the costing report for easier ordering.

Workcentre "Efficiency"

For each workcentre used in an operation, the user can now specify an overall efficiency factor. This makes allowance for inefficiencies and for fine tuning.

Maximum Spindle speed added

Also in the workcentre's, if the workcentre is a machine tool, the maximum spindle speed can be entered and this will be used in the machining simulation calculations to provide a more accurate machining time.

Part Duplication

It's now possible to duplicate a part in a quote.

Extended feed/speed calculator

On every machining simulator form, next to the cutting data input boxes a new icon has been added which will open a new extended feed & speed calculator

The new calculator allows the user to enter any combination of cutting data including feed per tooth, feed per rev, surface speed or even direct RPM. The calculator will adjust the necessary corresponding data. The machines maximum RPM is taken into account and the final results in Feed per rev and surface speed are transferred back to the original form

Extra Operation Time

In each of the machining simulators we have added the facility to allow extra time for non machining functions such as checking sizes or dealing with complex features.
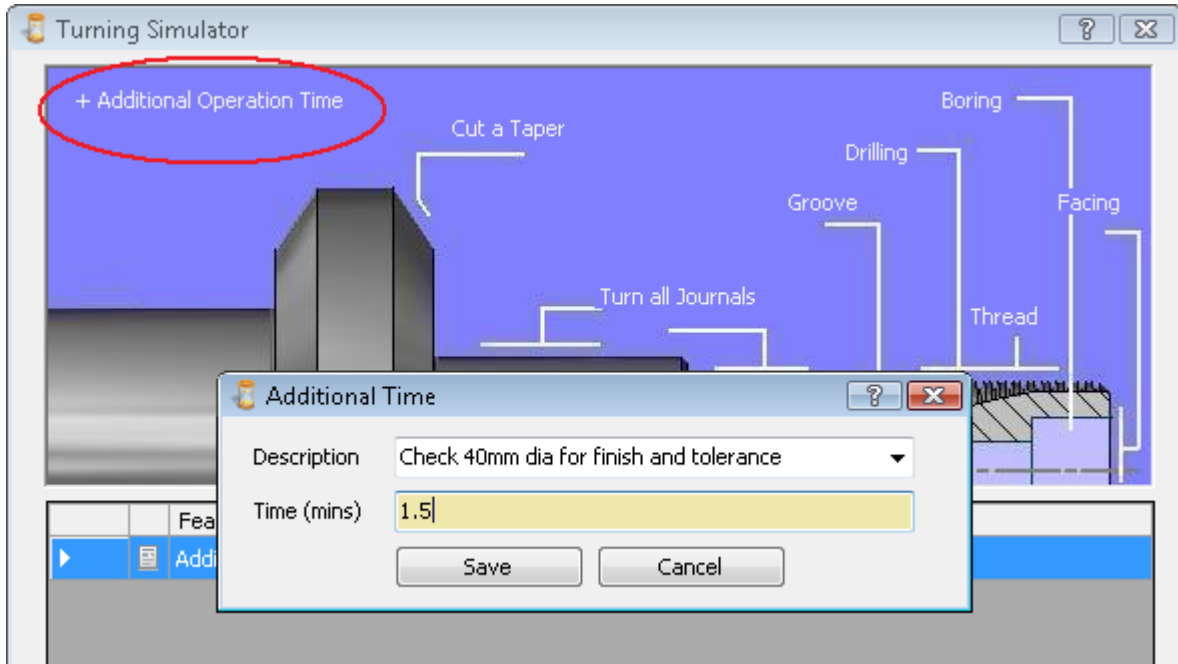
"Cloning" of material groups

It's now possible to create a new material group by cloning and globally modifying the cutting data of an existing one. For example if the user wanted to create a new group called "Cast Aluminum" and the new material will be 10% harder to cut that the original, simply specify the modification factor as "0.9" which will result in the new materials speeds and feeds being 10% slower.
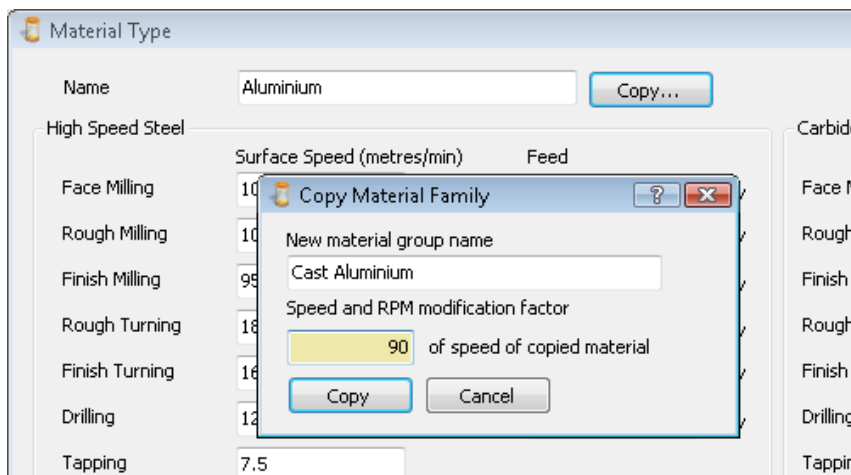
Improved Time display

The quote totals display has been improved to now show times in Hours & Minutes as well as decimal minutes.